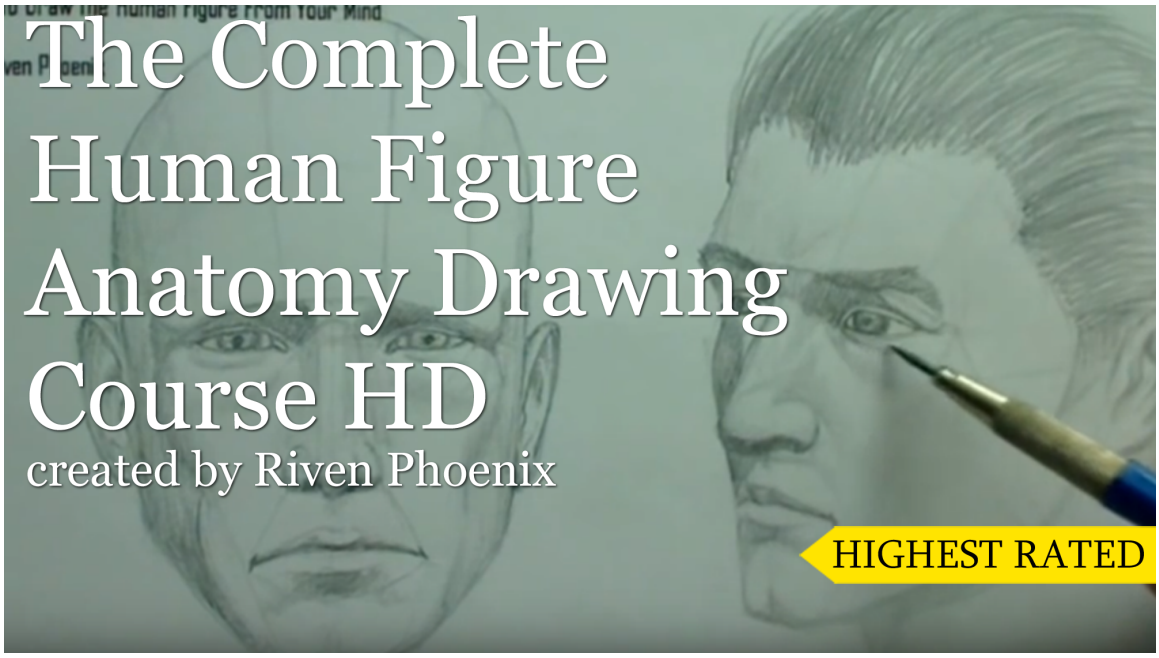

The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

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Figure Drawing Lesson 021 - Formulas for Side View of Chest Cavity

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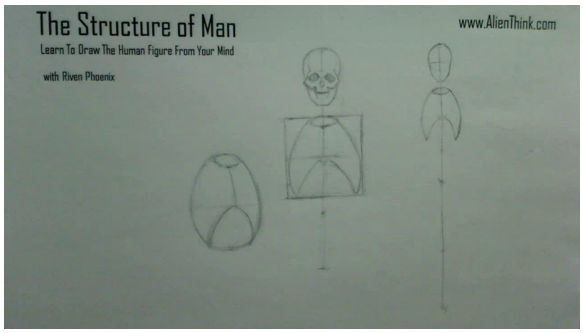
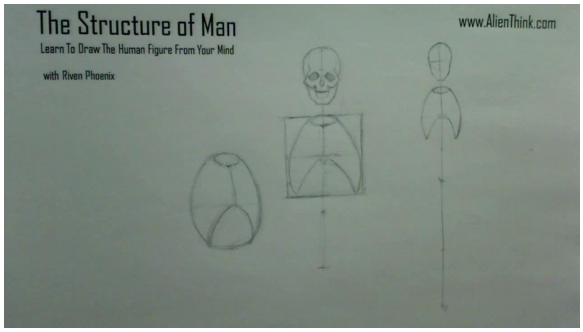
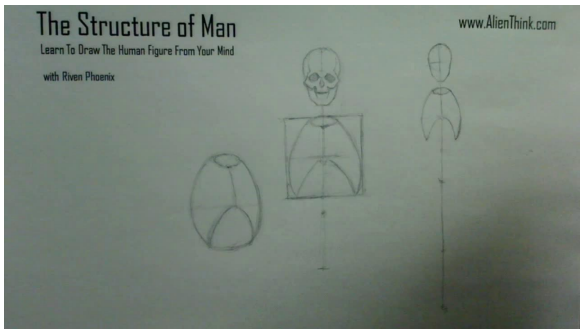
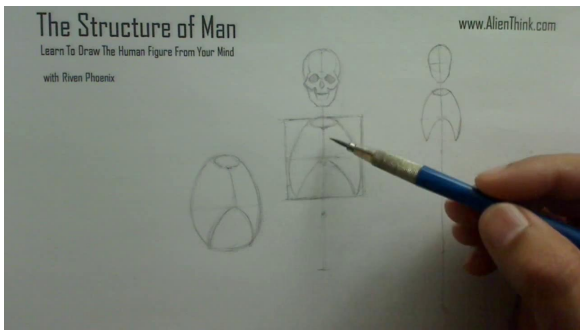
1		Hey guys, my name is Riven Phoenix and welcome to the Structure of Man.
2		I want to draw the human figure from your mind training course.
3		Okay, so now in the previous lesson we had understood about the basic concept
4		to understanding how the chest cavity is supposed to be and we proved it

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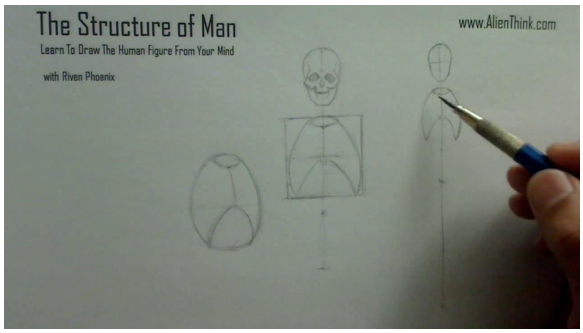
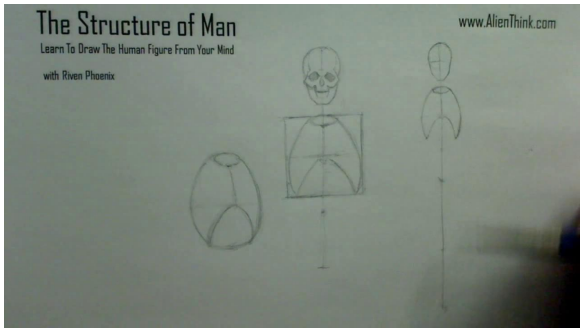
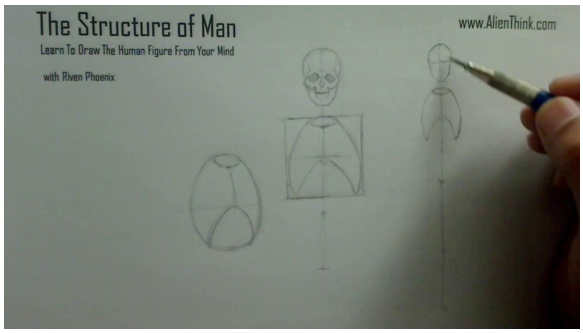
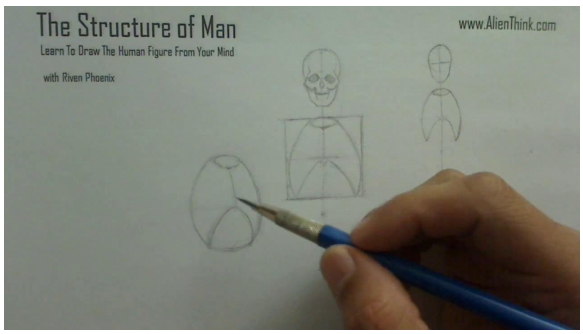
5		that it does work in our original tool.
6		Okay, right, notice I just left it very basic over here.
7		Right, so we can finish this off later.
8		Right, and here we did kind of like a three-fourth view

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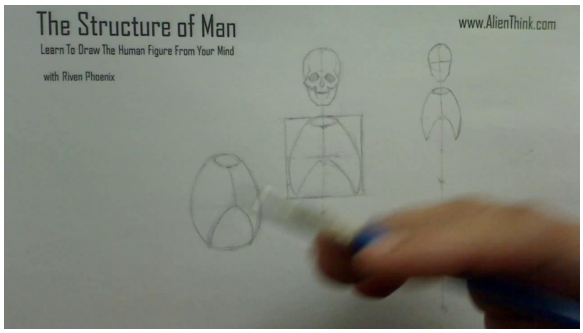
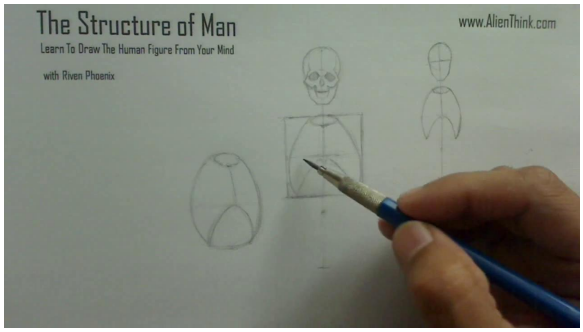
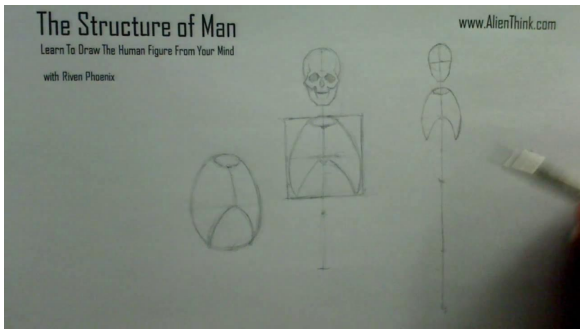
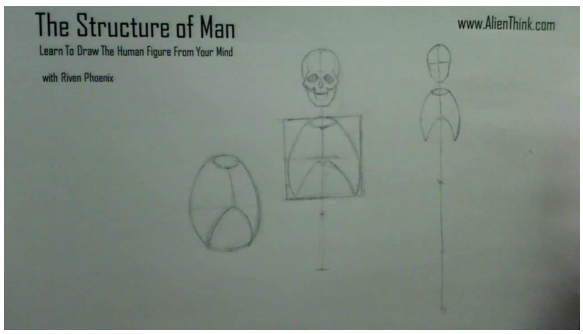
9		to start experimenting with this.
10		Right, so it was very easy concept to follow.
11		Okay, so now if we look at the side view of the formulas for the chest cavity,
12		what we're going to do is basically we can just actually just do it right over here,

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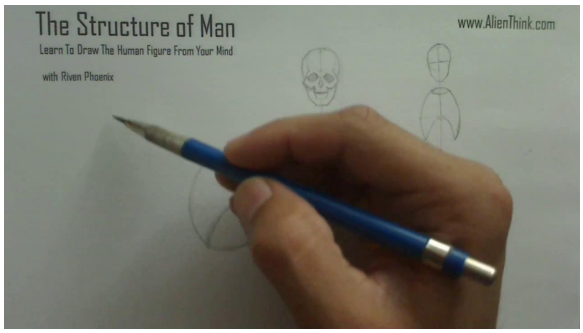
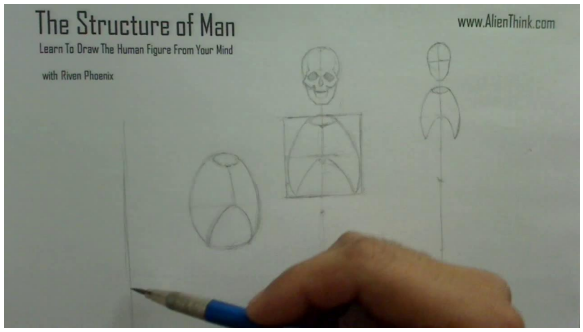
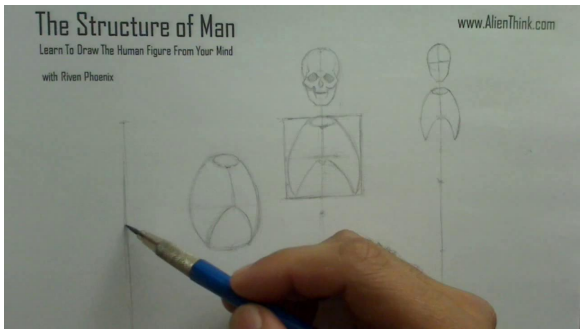
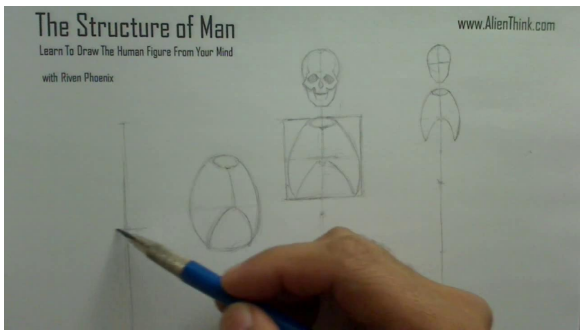
13		is if I draw the side of the figure just like over here, right, from here to here,
14		here I'm just going to divide this in half over here.
15		So this is going to be the line for where the back muscles,
16		the bottom of the back muscles, this is going to be where the chain is

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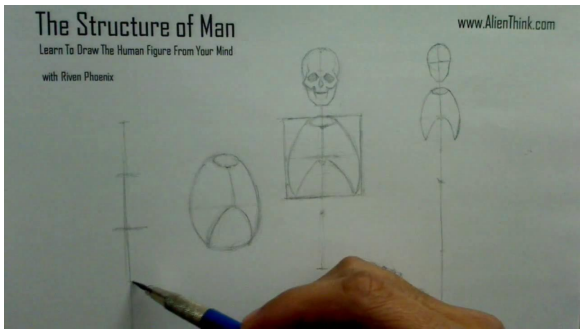
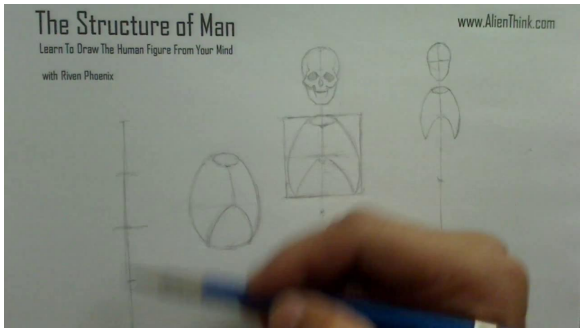
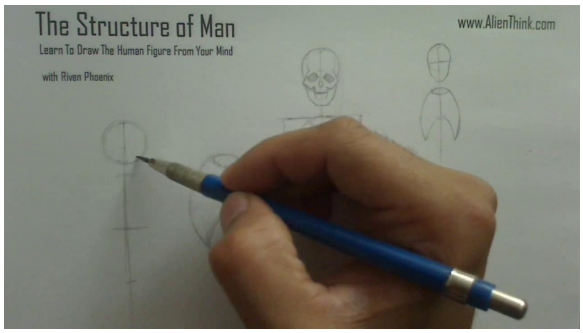
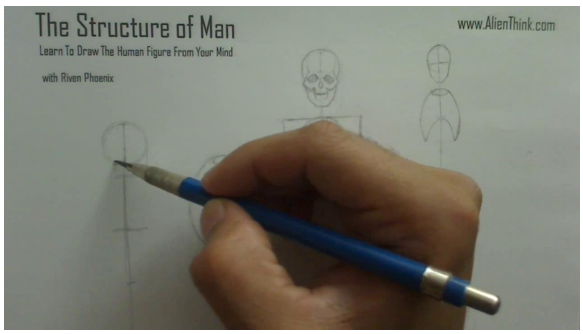
17		and this is going to be where the navel is supposed to be.
18		Okay, so we know that we can just draw out the side of the skull like this.
19		Right, we already know that over here we're going to get the jaw over here
20		and this guy is just going to be like this over here.

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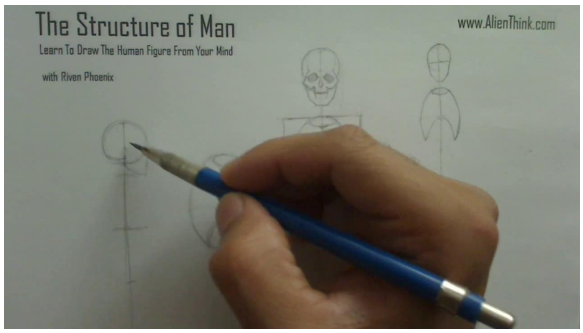
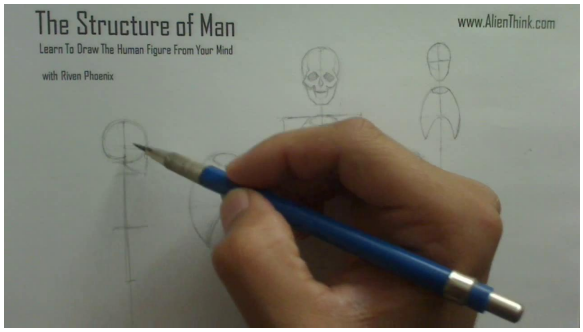
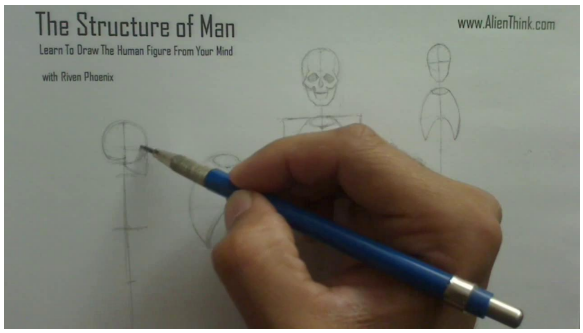
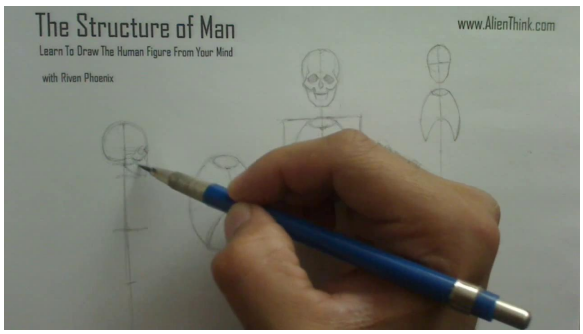
21		Right, this is the line for the brow and then you get the nose.
22		Right, it's very straightforward now.
23		So how this is working, let's go like this and you get the bottom of the chin
24		and you get the skull. Right, very easy to put together.

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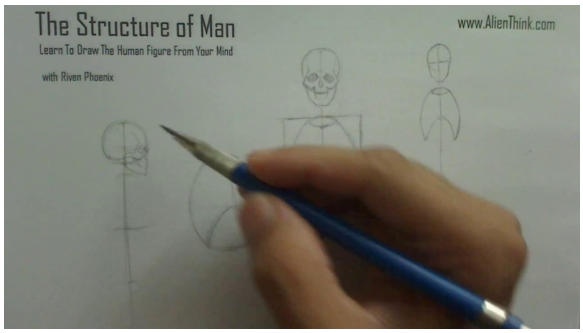
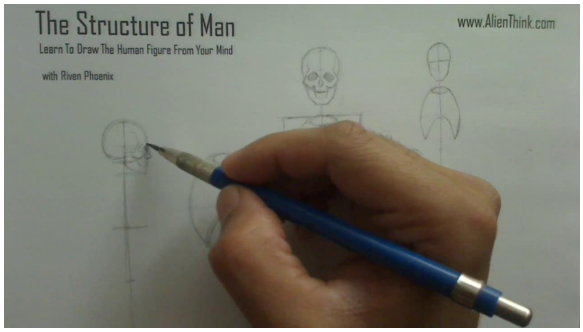
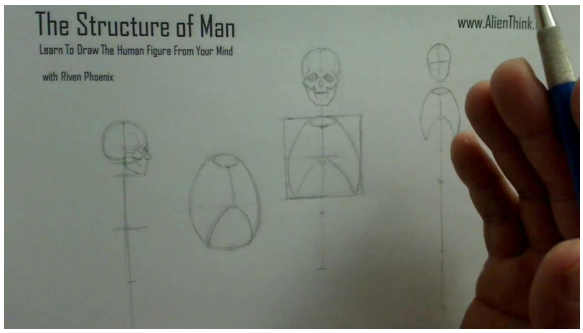
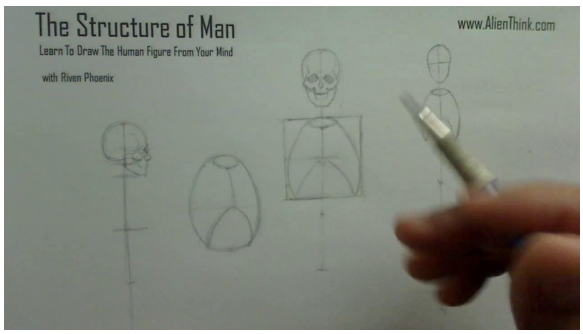
25		So now we're here, I'm just going to stretch out the nose a little bit over here too.
26		Okay, so now we're going to change our understanding a little bit.
27		Right, because we want to start adjusting.
28		It's all about the microbursts or giving the mind information that it needs.

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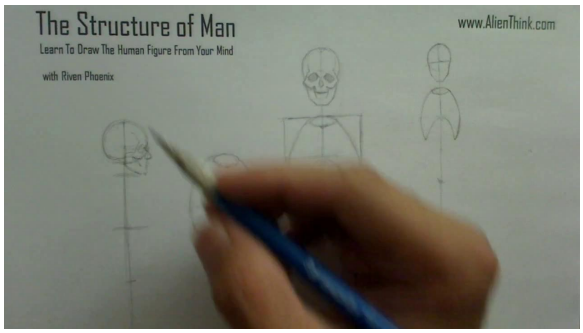
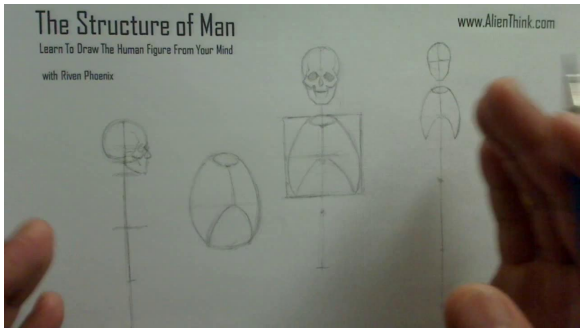
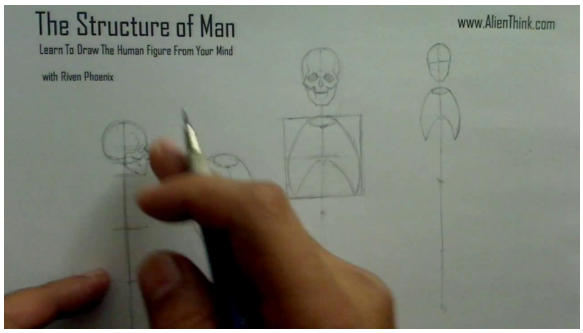
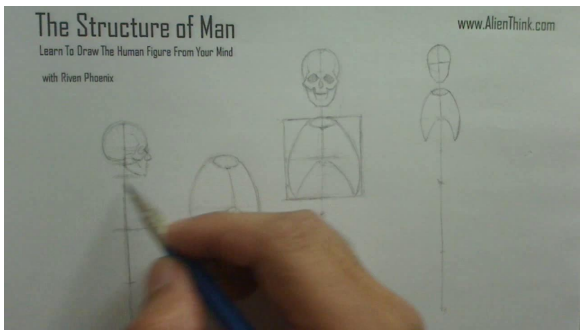
29		So when I have the, now the thing is that the camera is a little bit on the angle,
30		it's actually looking down.
31		So the lines I'm drawing are straight, but on your case it might go a little bit in perspective.
32		So here we already know that the bottom of the peg is this right over here.

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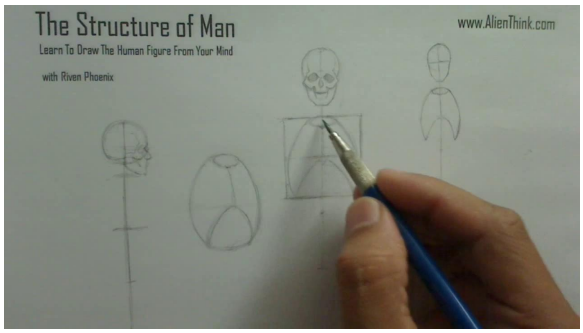
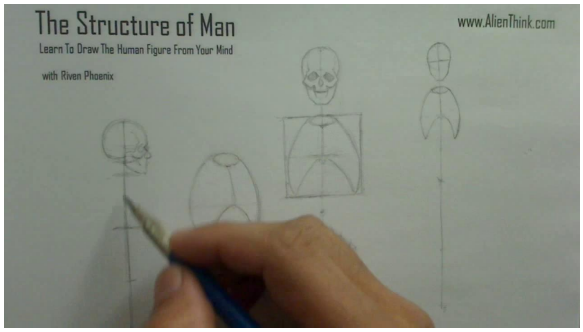
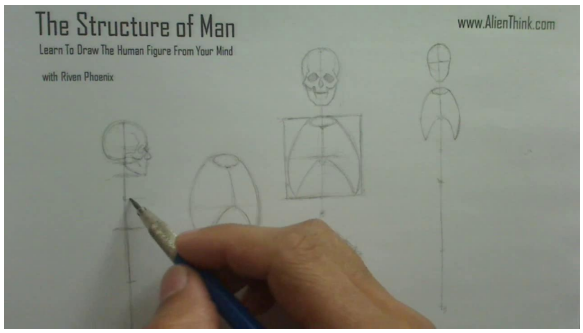
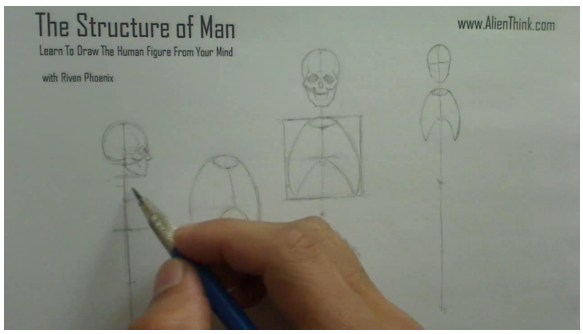
33		Right, and then we came up with this concept over here.
34		So if we divide from here to here in half, we know that the clavicle is going to be right about here.
35		And over here is where the top of this is.
36		Right, so we can just draw a box just like before over here.

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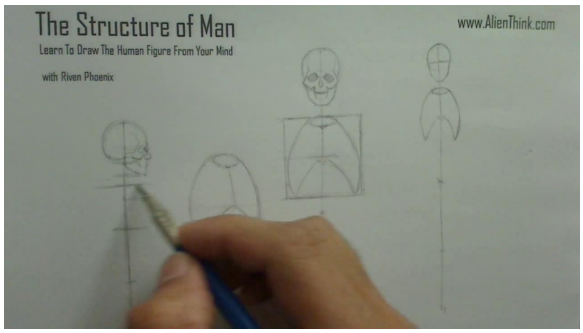
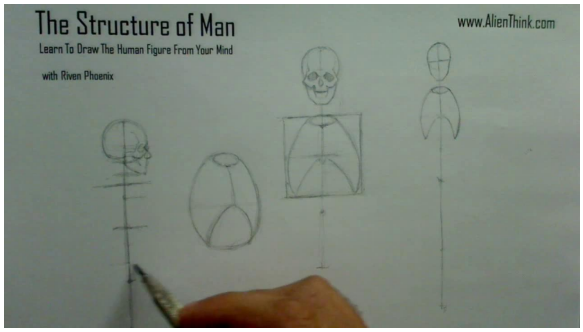
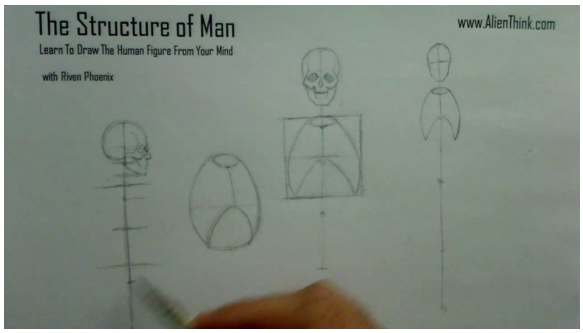
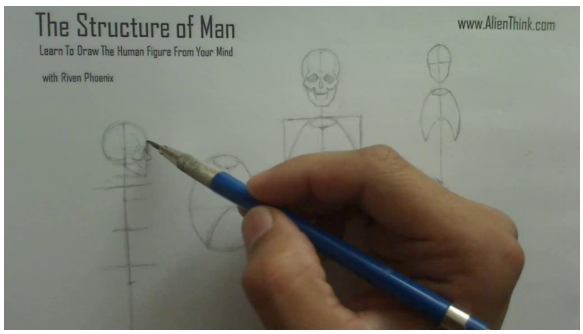
37		Right, and where this is where the navel is, we divide this in three different parts.
38		We're just going to make a box just like this over here.
39		Okay, so now in our original concept, we said that when you have the front of the skull,
40		basically you translate the width from here and then you make the front of the chest cavity.

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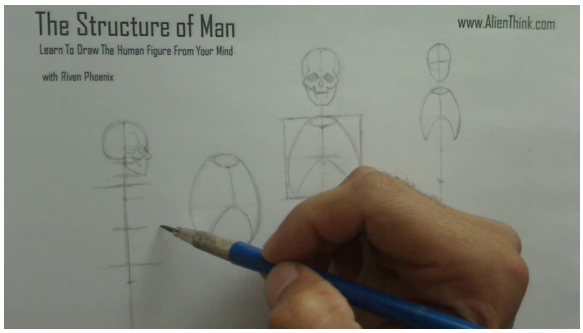
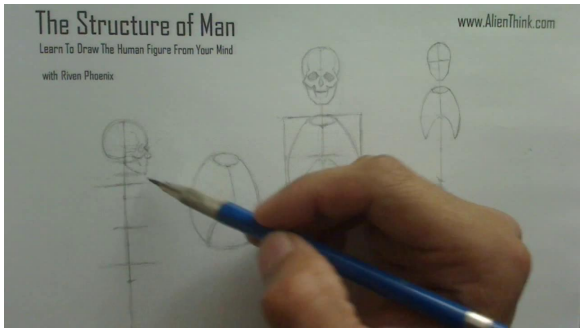
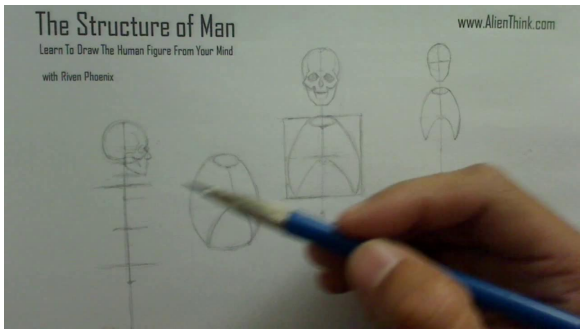
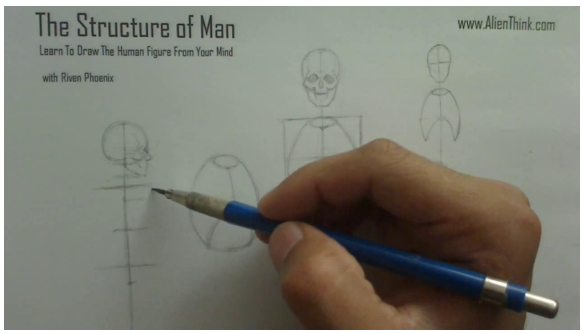
41		So we're going to change that, right?
42		So basically what you need to know about this is that it really depends on different type of character designs.
43		But in realistic figure drawing, what happens is it's basically where the nose is.
44		Right, so when you have this, where the nose is, the front of the chest cavity really cannot go beyond this point.

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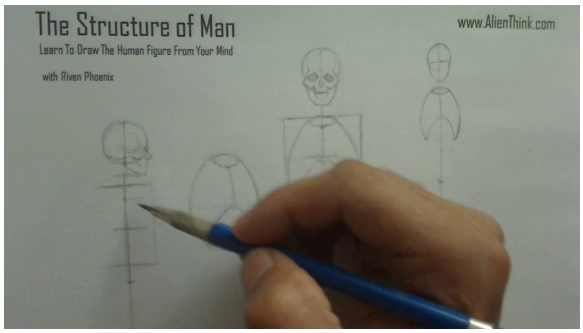
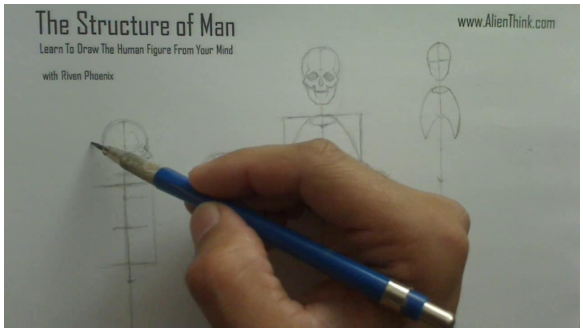
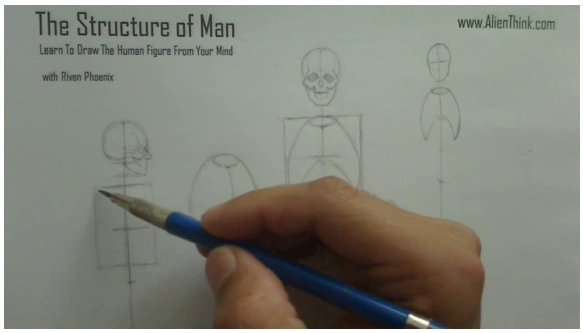
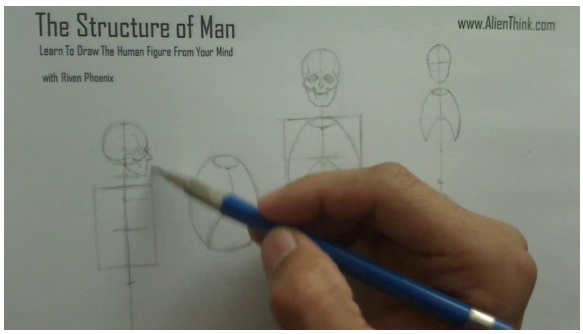
45		Right, and it's only true in the back that if you divide this in half,
46		you can go here, translate it that you'll get this section here.
47		Right, the back of it needs to be more outer from the back, but from the front.
48		It's really just the area about from the nose, right?

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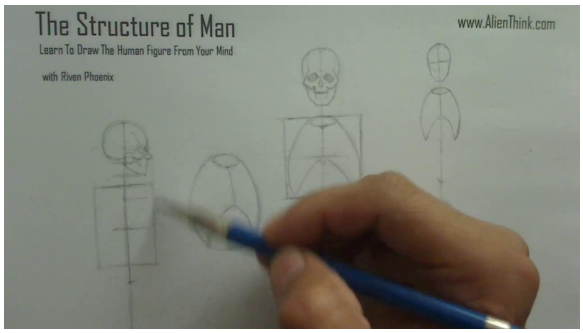
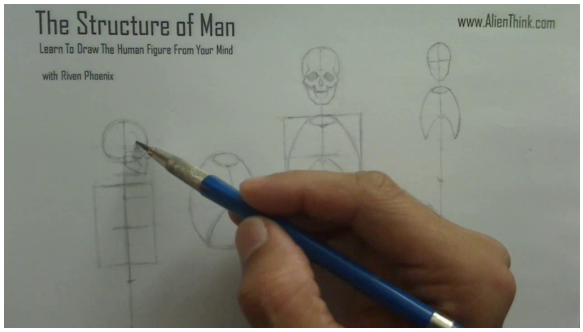
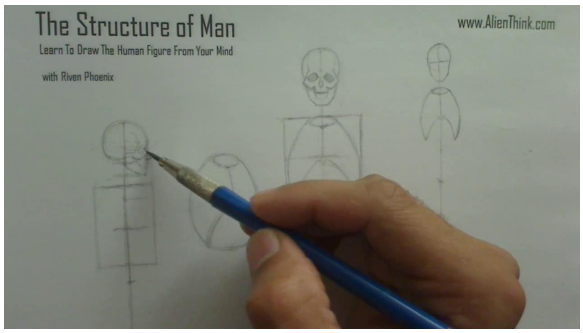
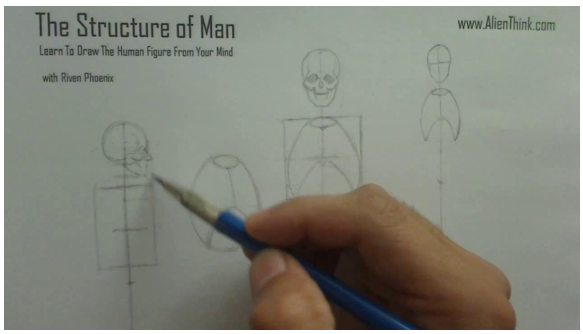
49		It's very approximate. It's really not going to be this much.
50		So the reason I was stating in the beginning that you could really just take the half of this and translate it
51		because if you look at how much the nose comes, it's so close that it really doesn't even matter.
52		And here I'm just showing you what the facts are, right?

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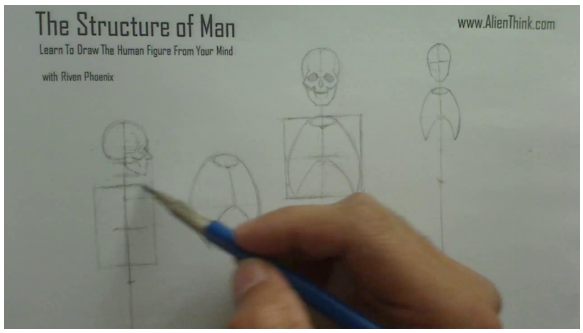
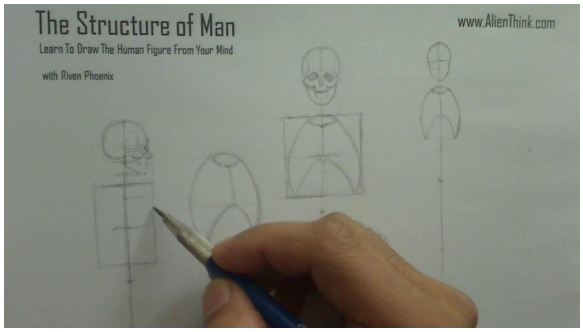
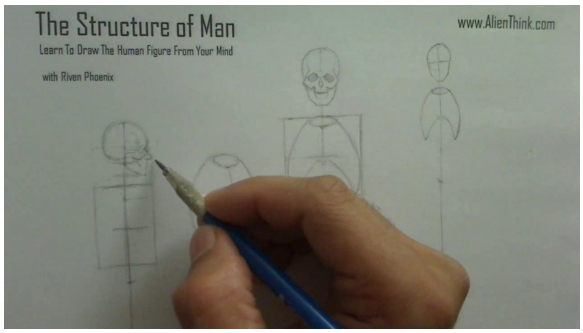
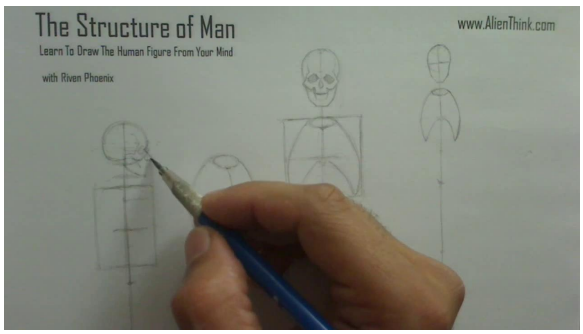
53		But when you're drawing it, it's really just going to be, even if you came a little bit out, it doesn't matter because it really depends on, you know,
54		I mean, what happens if you're bulking up the character, right?
55		It's just going to go out that way anyways.
56		So really just know that it's just going to be pretty much the same thing that I said, but it's about the nose.

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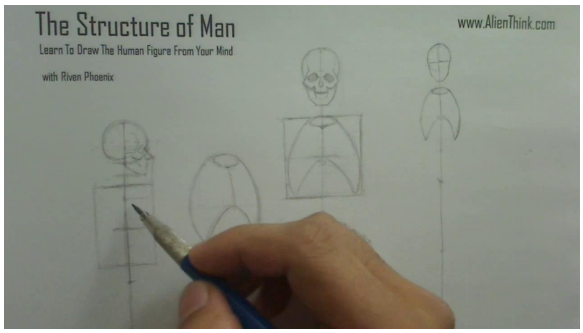
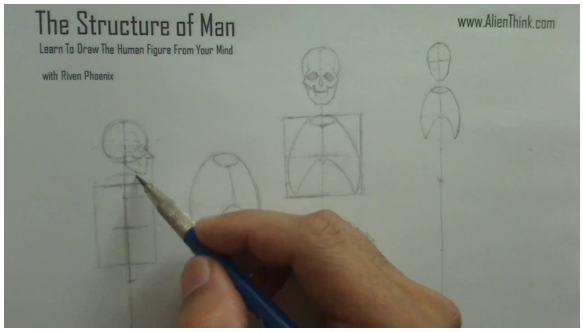
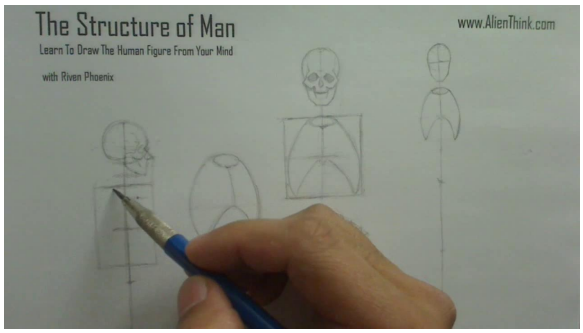
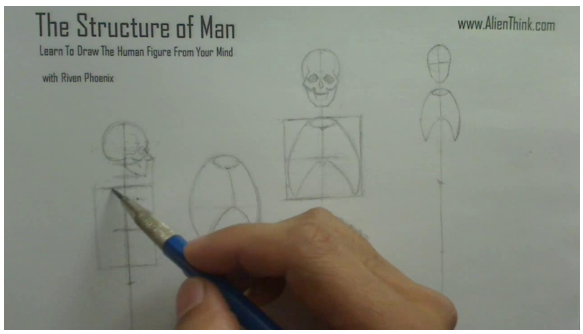
57		So here's where the clavicle was. We know that halfway here where this is.
58		This is where the clavicle is supposed to be, and it's supposed to go up in this direction through it, right?
59		So where is this guy, this angle? Is it supposed to be here?
60		Where should it really end? And it's really where the back of this head is over here.

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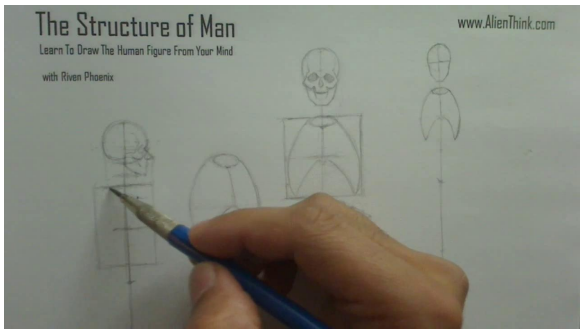
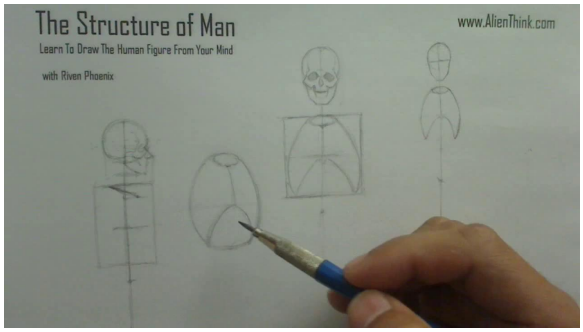
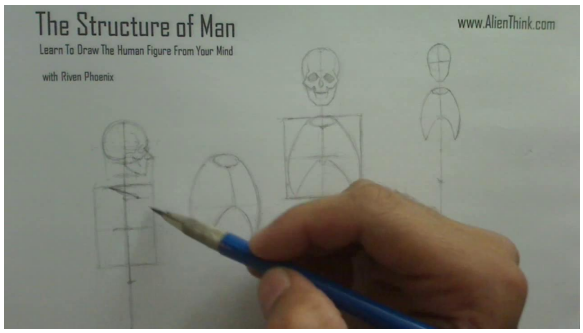
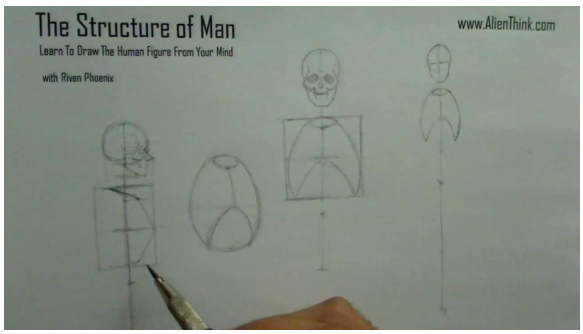
61		You can just stop it over here, the opening of this chest cavity, I'm stopping it here.
62		Okay? So once that's done, it's very simple.
63		We know that this is going to come here, and we also know that the curvature is going to be here on the right of this, right?
64		The curvature is always on the front side of the chest, this, and then it's just going to really touch this area here.

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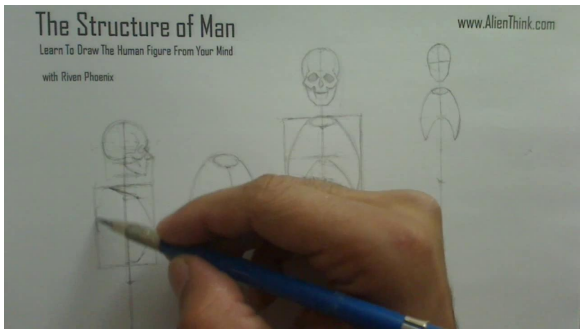
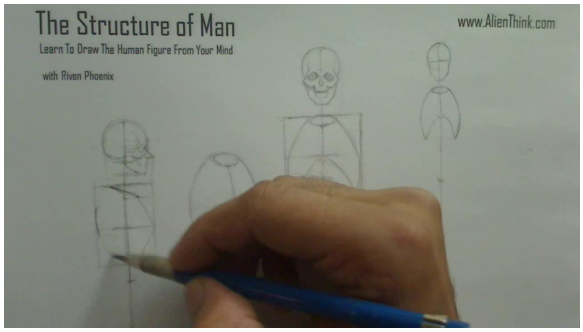
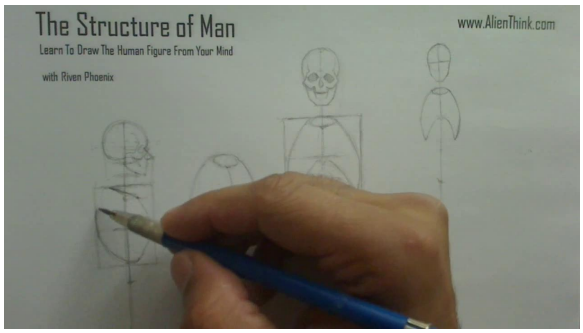
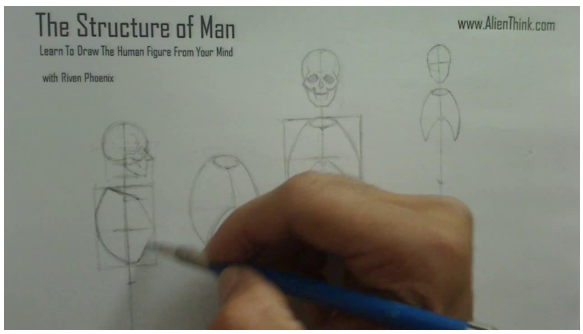
65		It's going to be more touching here, right, and less touching on this side.
66		It's just going to come like this, right?
67		And then you just go up like this in this way.
68		So this gives you a basic idea of the chest cavity, right?

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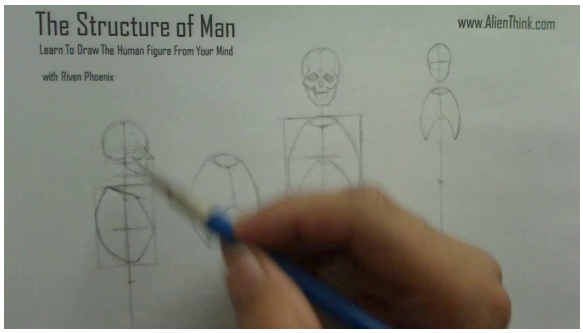
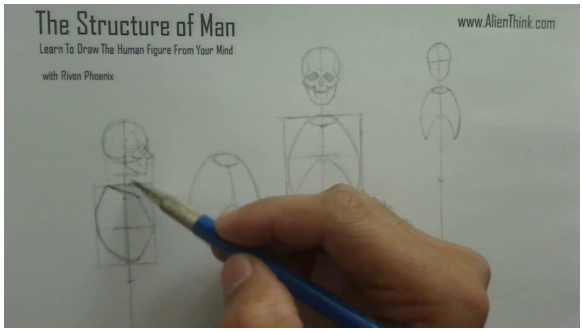
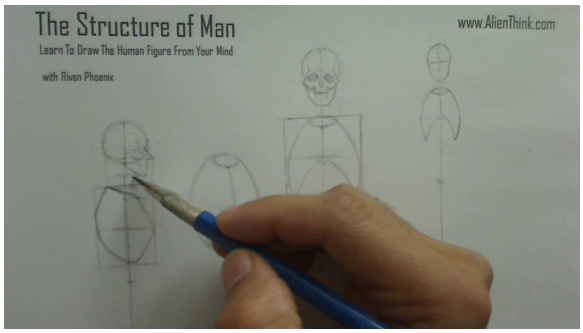
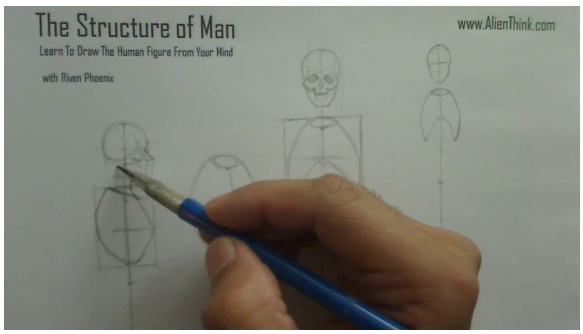
69		So if you, I'm just going to show you some extra stuff here.
70		See, this is where the neck is.
71		So you're going to get this area for the neck, then you're going to get like the Adam's apple, then it'll go down here in pretty much in this direction.
72		And then your neck is obviously always on an angle.

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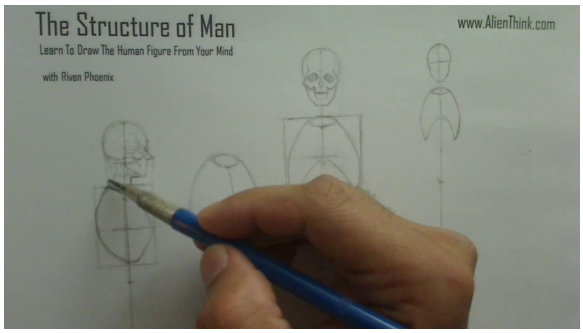
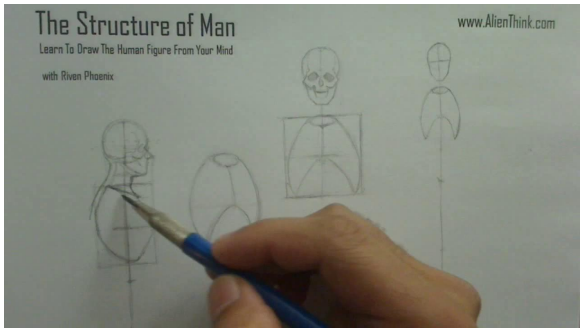
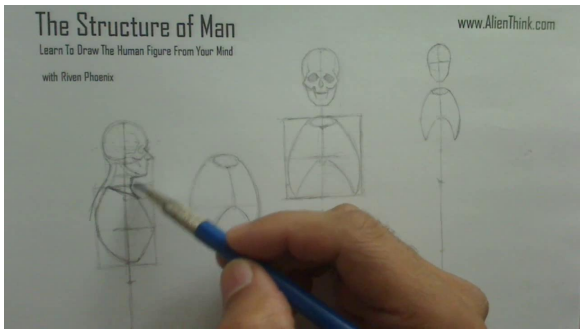
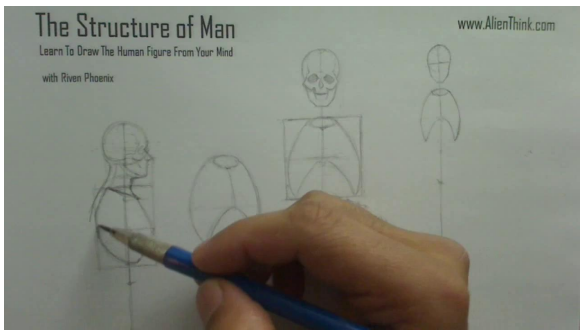
73		And when you get all your muscles, it's basically going to be like this, and this helps you to understand this concept that we had stated before that,
74		under getting the mind to understand that obviously there's a neck over here, right?
75		So you can understand how the neck gets its length over here, just like this.
76		Okay, so once we have this, basically we can just draw out our toolkit again on this side over here, just like this,

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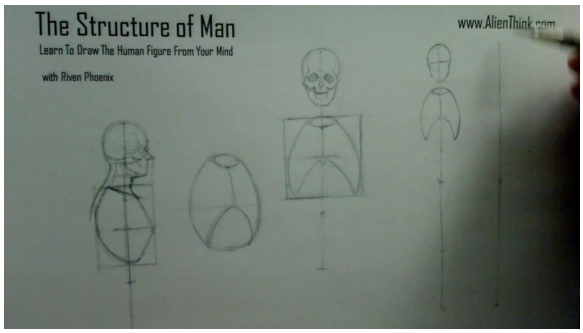
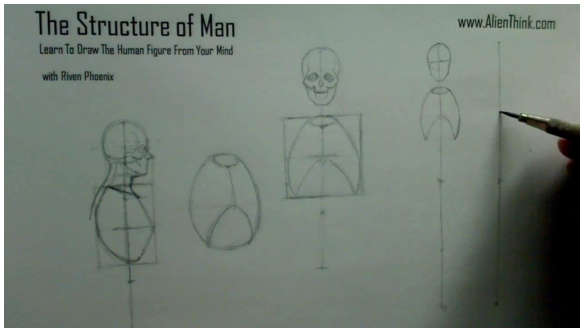
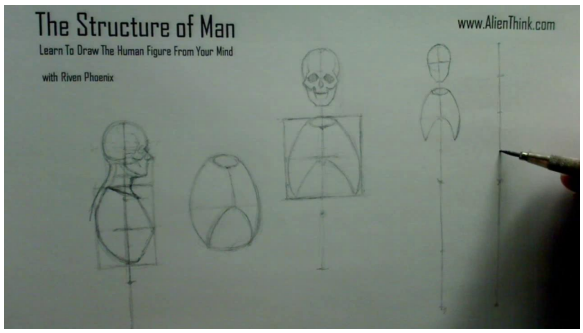
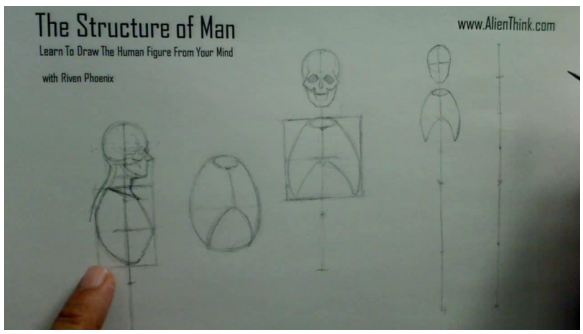
77		and now draw out the chest cavity.
78		And so this is going to be basically about half over here, and it's going to be over here.
79		This is the navel, this is the top of the knee, right?
80		So one thing that we haven't talked about is that here we talked about how to do it free end over here, right?

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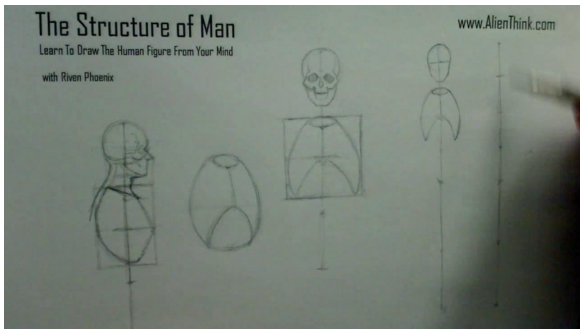
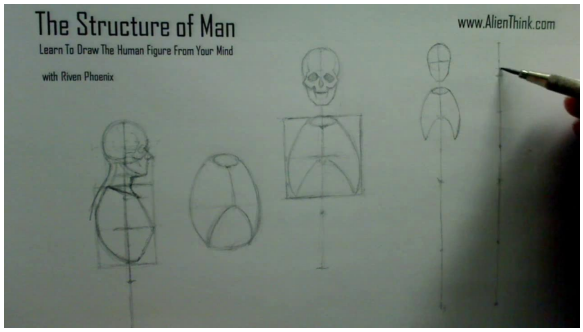
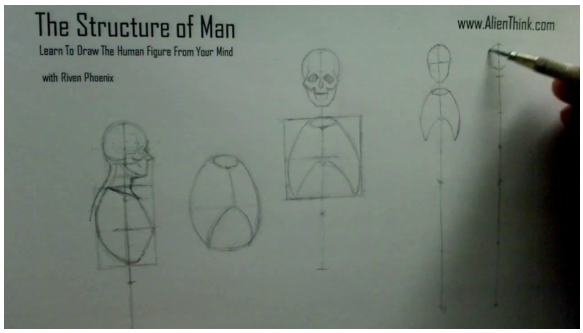
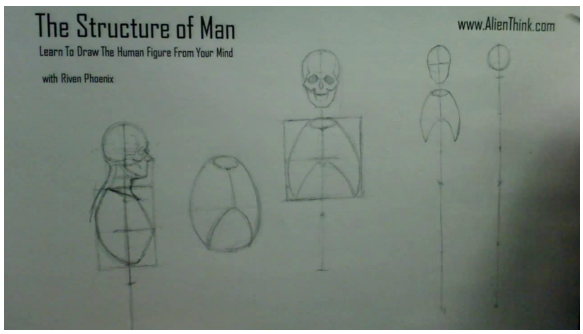
81		So let's first finish this, and we'll understand that part, right?
82		Because I want to make sure we cover as many things as we can on these concepts, right?
83		So here we know how to do the side of the invention.
84		So let's just do it this way since we did it in this direction anyways.

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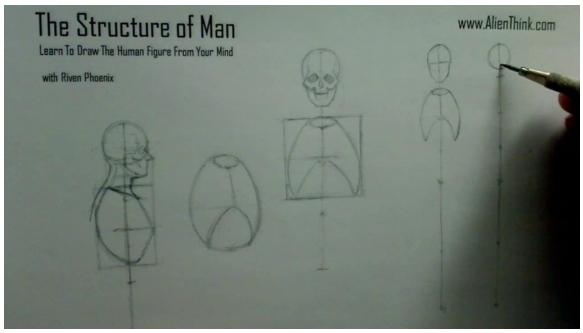
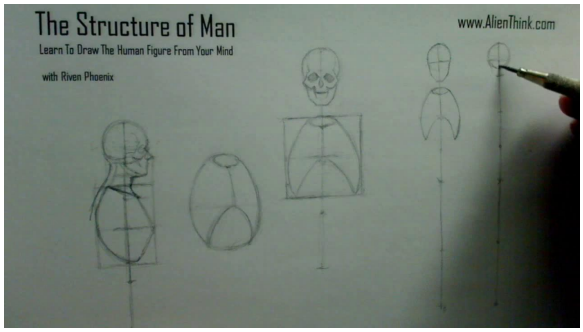
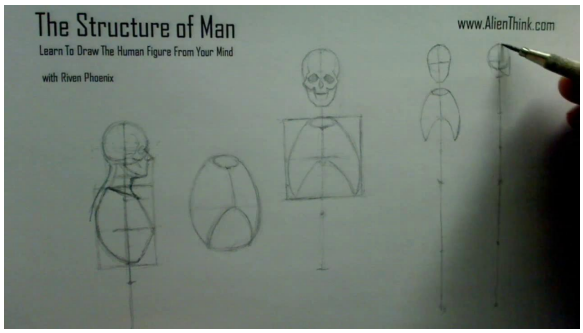
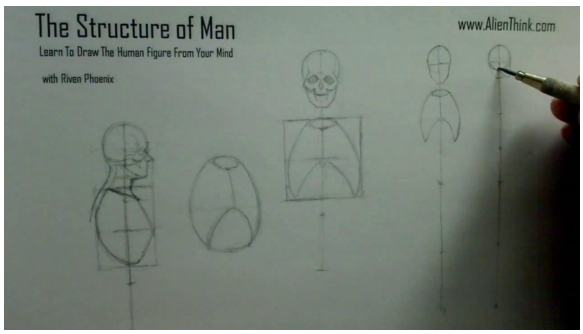
85		So we know that this is really going to be the center line for this over here,
86		and you're going to get the jaw over here just like we did before.
87		I'm just going to leave everything as a conceptual idea here, right?
88		And just above this you can cut it.

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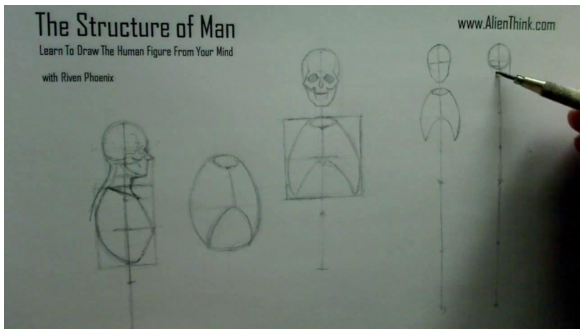
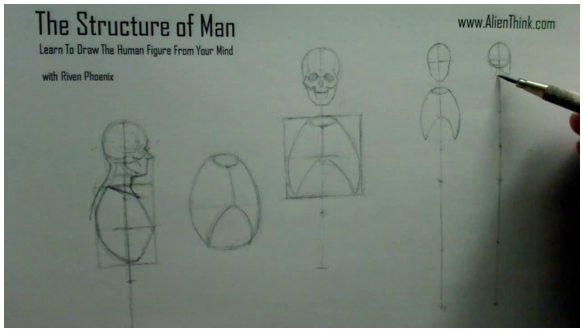
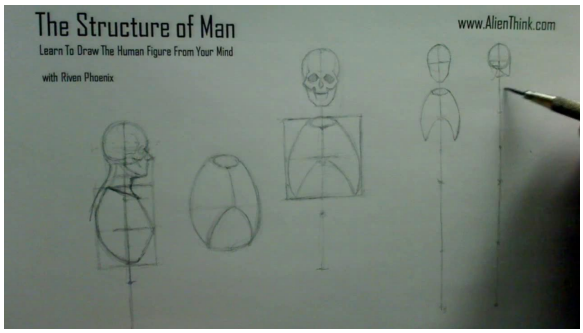
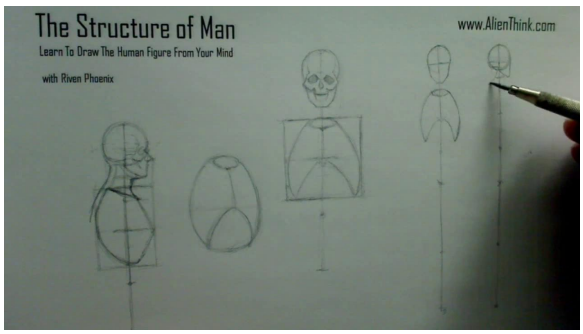
89		We know that the neck is going to be here.
90		So here you can just see that wherever you have the clavicle,
91		you can just take a look at this and just come down over here to the back of the neck, right?
92		That's it. No, we don't have to put a box down because we can just see visually where this is supposed to be.

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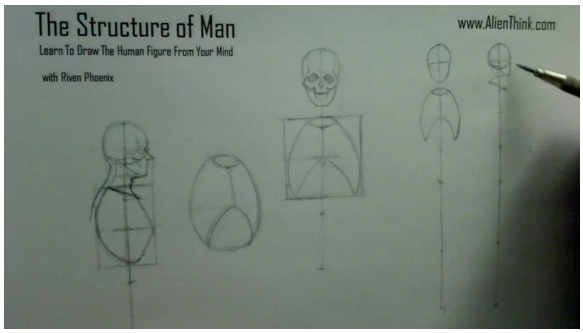
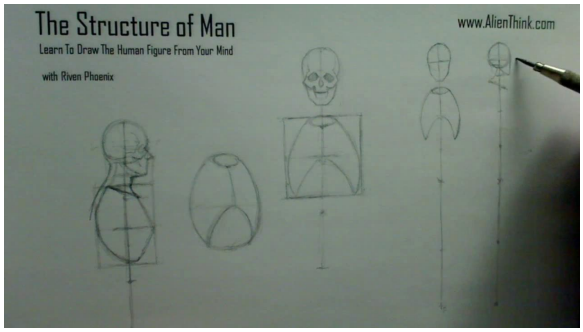
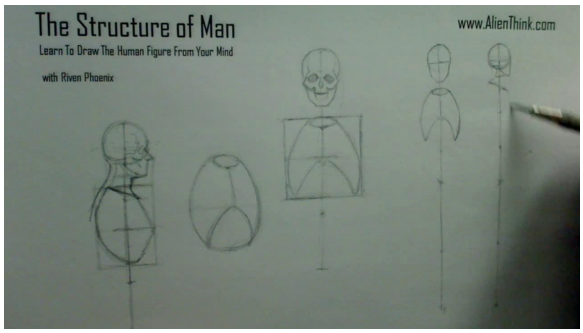
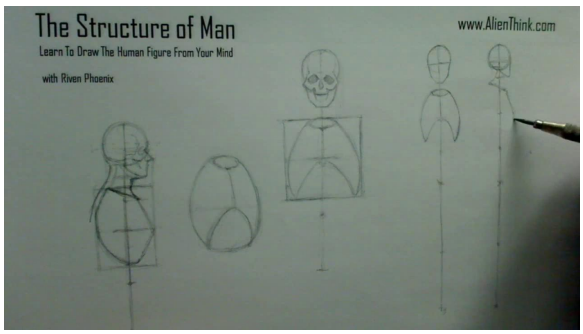
93		And we already said that really it's the half of this.
94		The approximation is so little that it's really the same thing as half of this that we've been stating,
95		but now we know that, okay, I can just visually look at this and come like this over here.
96		This is the navel I know that it's going to come in this direction like this and just going to twist.

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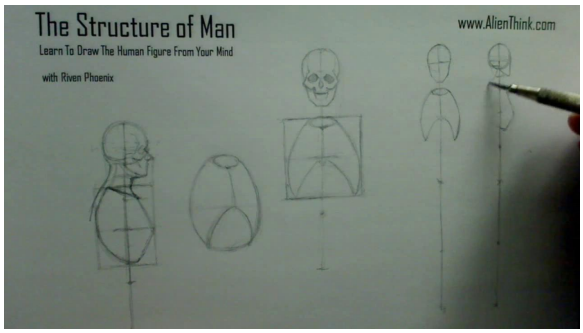
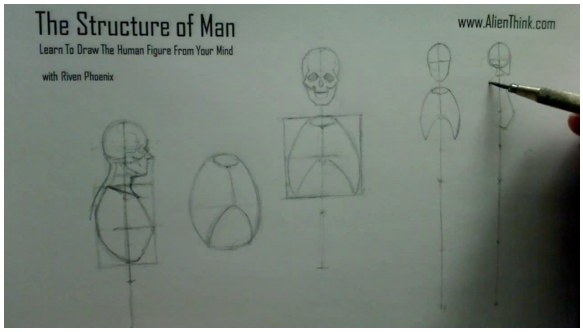
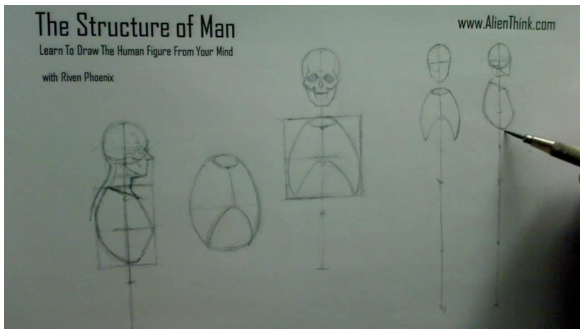
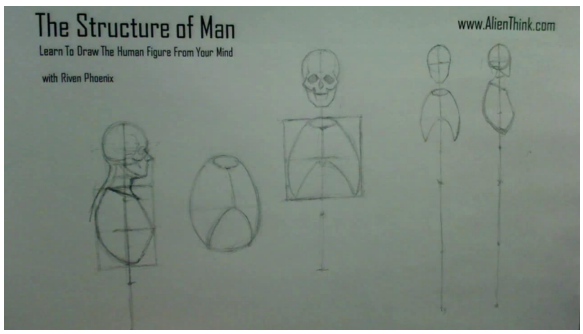
97		And this over here is going to be half of this.
98		So I'm just going to go like this and this will give me my chance cavity just like this.
99		Like we've been doing before.
100		Okay, so now let's just look at how to do this free hand.

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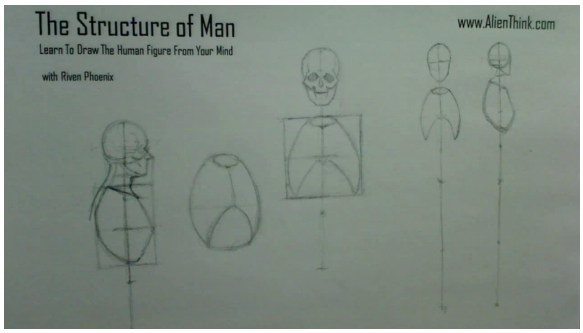
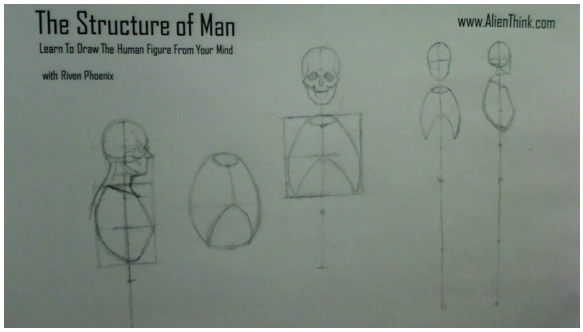
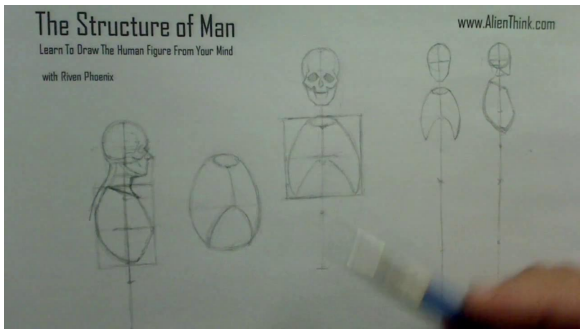
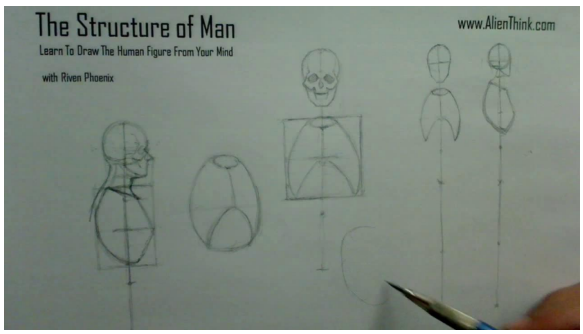
101		We already did the free hand over here, right?
102		But let's just look at this.
103		So if I have, let's say,
104		if I drew like a ball shape here from the side view here for, and this is, let's say I'm sketching out something here for the,

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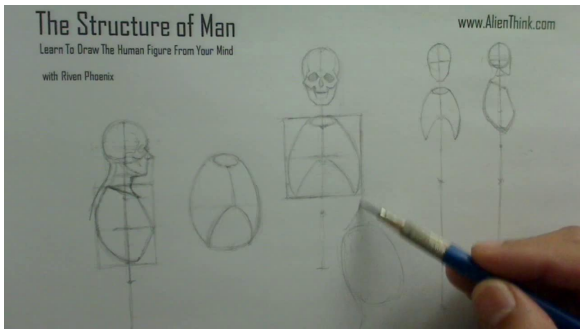
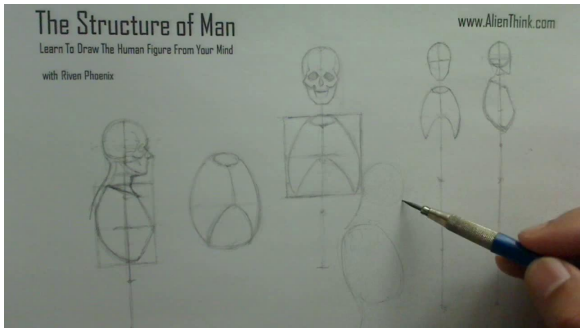
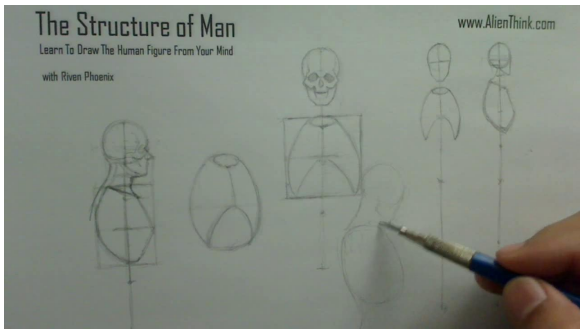
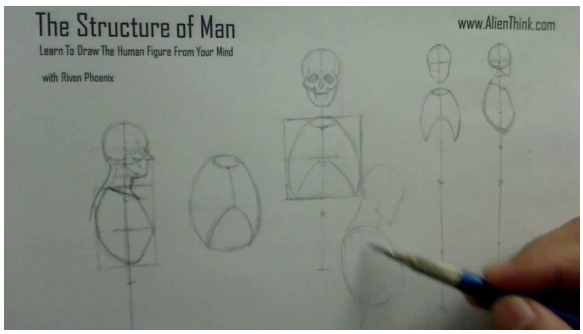
105		and this is going to be my head.
106		I'm doing like some kind of a sketch over here for this guy.
107		His head is really turned in.
108		Right, how can we solve this issue in sketching out the figure?

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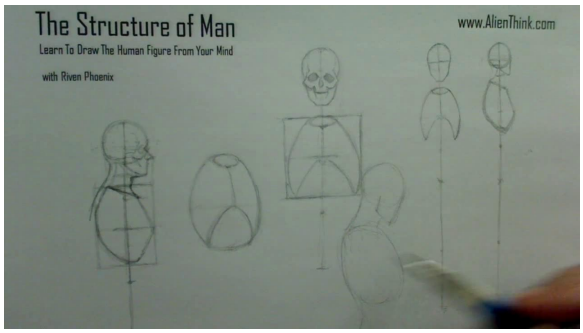
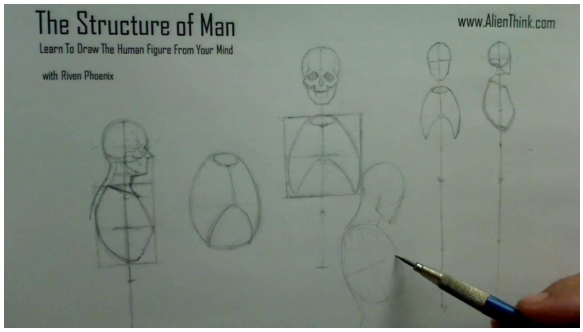
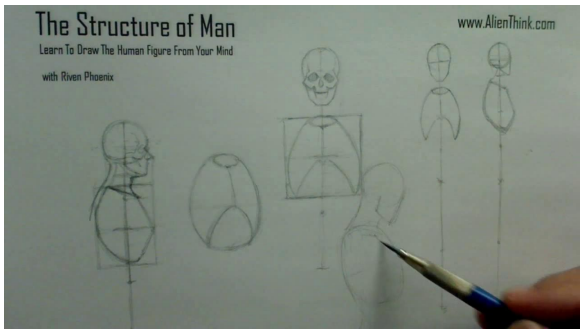
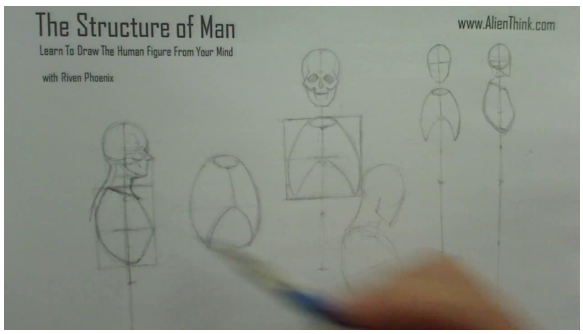
109		Well, if we look at this, we know that it's really just taking a line through it and dividing it in half.
110		Right, we know that over here is just going to be like this anyway.
111		Right, you can turn this concept, this whole object.
112		See, when I drew it like this, I really just went like this.

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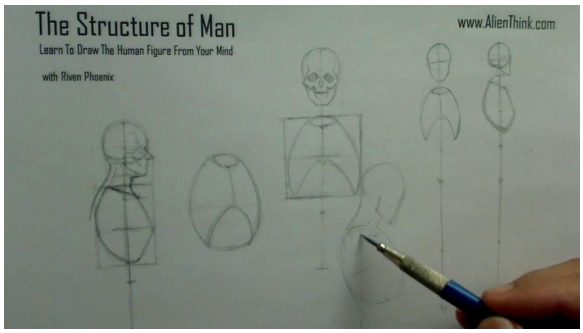
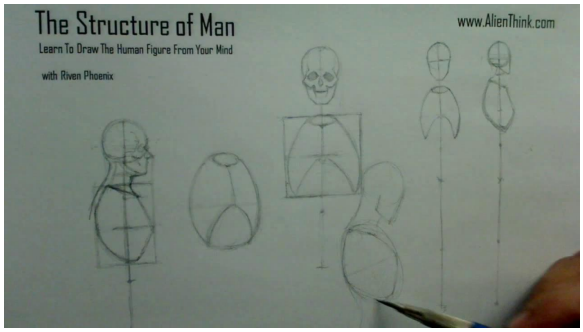
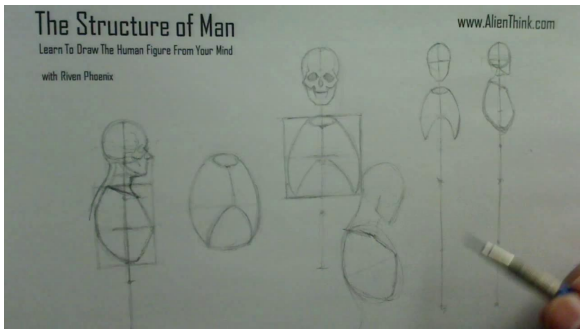
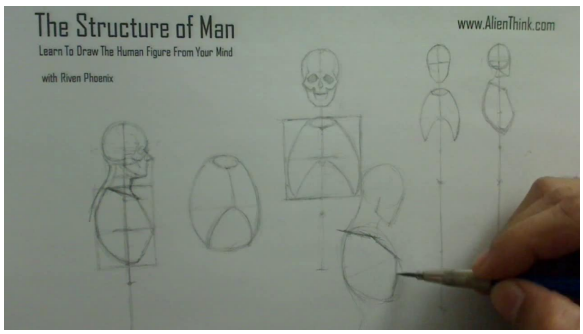
113		This whole object like this, you could come in here and just add the chest cavity like this.
114		Right, just understanding how to do it free hand, just really nothing to it.
115		So if you look at the angles, it's really this angle here, got this angle over here,
116		and you got this angle, and this line here, this line here has to be to the right of this.

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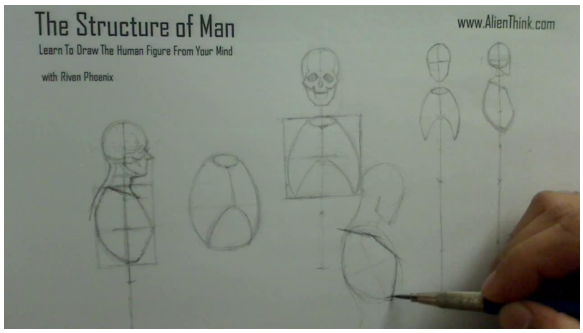
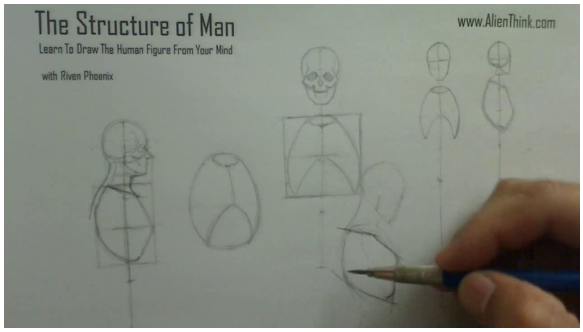
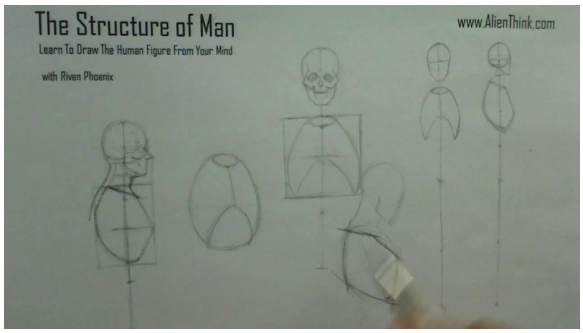
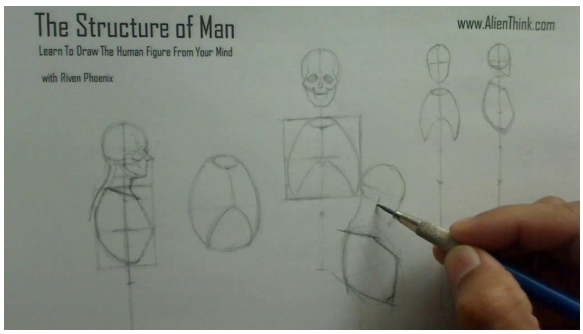
117		Right, so this angle will be here, and then you're going to get really this angle like this,
118		and you're going to get this much more of a nicer angle in this way.
119		Right, so again, from any point, we can create these sketches just like this.
120		Right, so let's actually do that over here.

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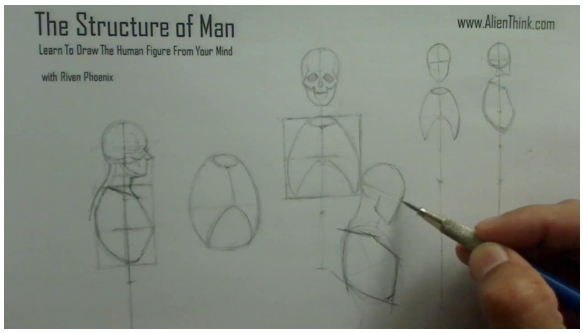
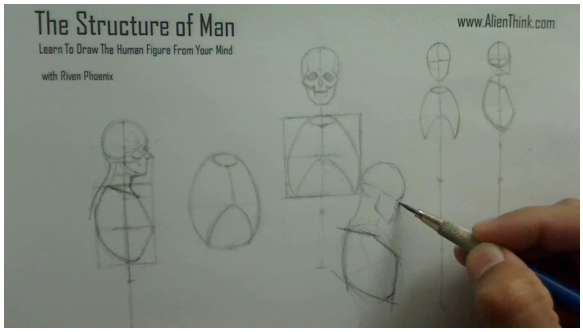
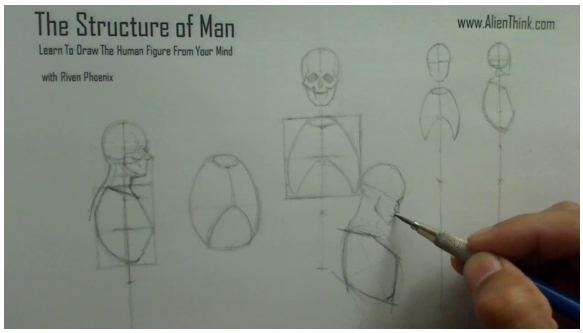
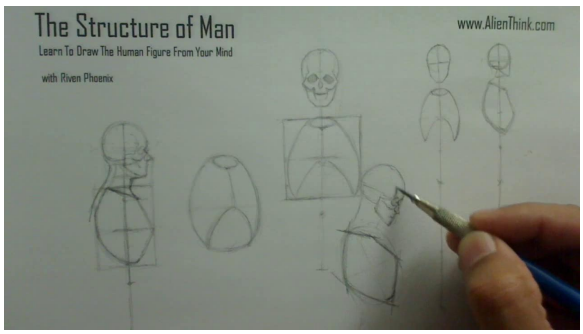
121		We already know that we can just come in here.
122		Right, we know that the nose is really just going to be here.
123		Like this, if we were just sketching out the skull like this.
124		Right, regardless of what situation we're in, we can just put our ideas down just like this.

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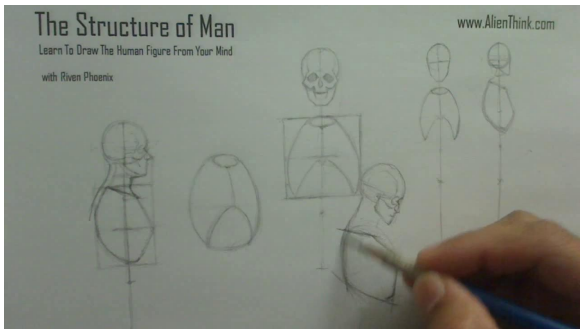
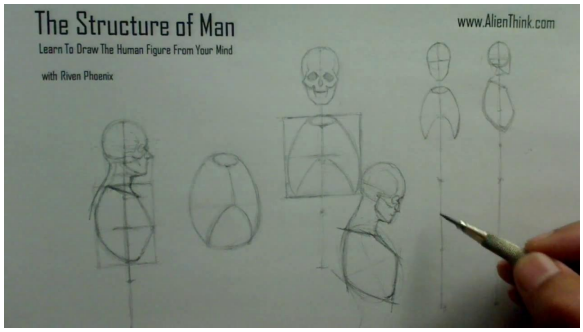
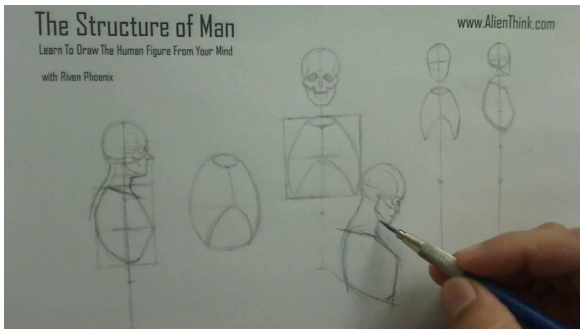
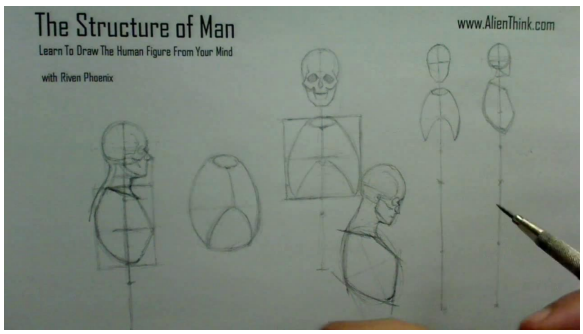
125		Right, and we know that over here, we're just going to get the human head in this way.
126		Right, here I'm just showing you some advanced stuff.
127		I know we haven't gotten into the naked, just I'm just showing you how everything relates to each other.
128		Okay, so now we can just clean up some of this stuff here and just finish off our invention.

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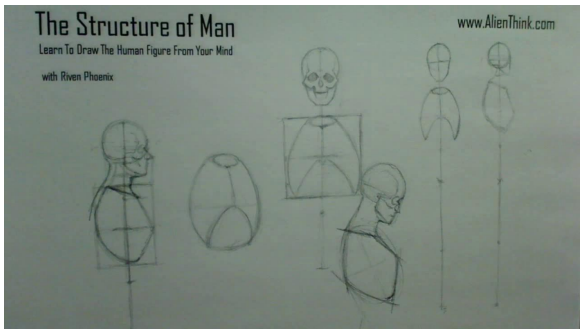
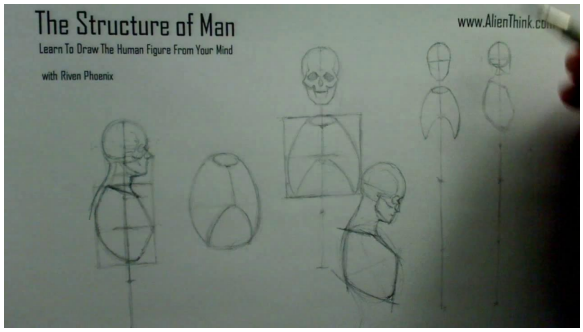
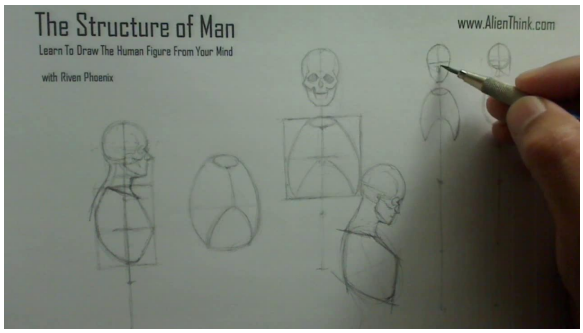
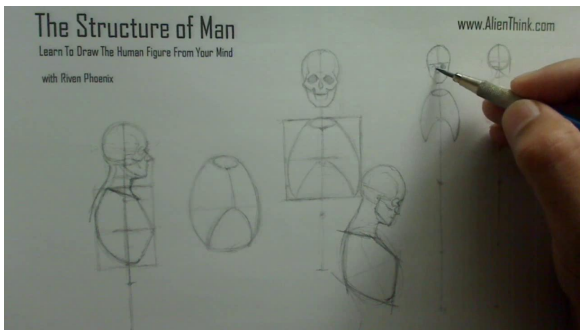
129		We can reach that milestone over here.
130		Okay, so over here, we already know that we're going to get the nose area over here.
131		Right, and here I can just box out this shape over here really quickly and just draw out.
132		Just really quickly just put like this silhouette ideas down. Right.

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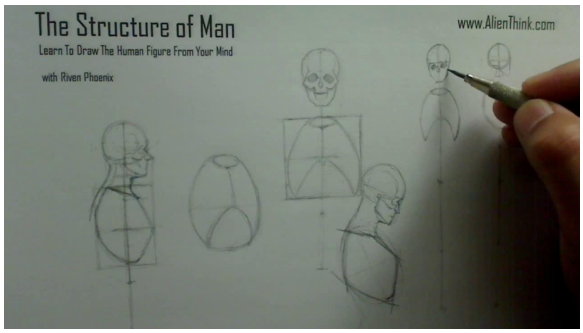
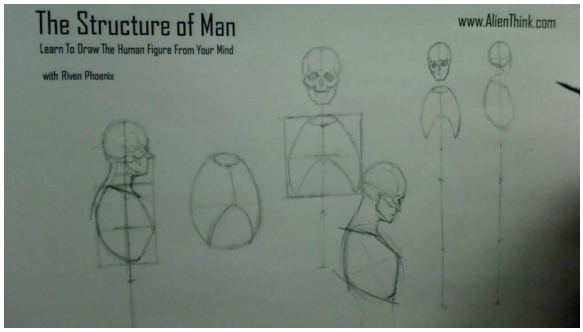
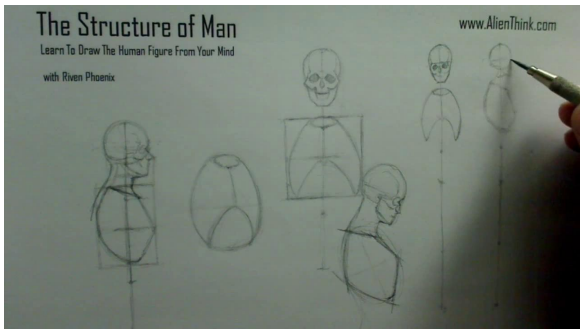
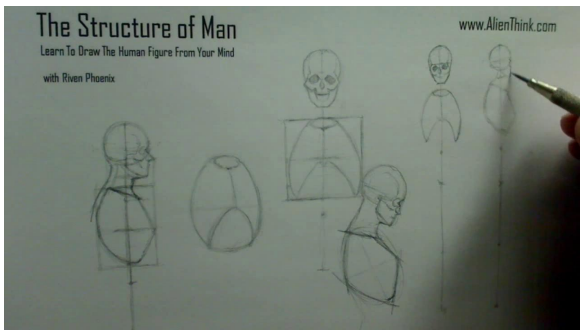
133		And we've got the skull down. Right, so that's that over there.
134		I'm just sketching out pretty fast here and then over here, we know that the center really is just going to be here.
135		You got the brow area, so it's really just going to be like this.
136		You get your idea over here just like this and again, very simple concept to put together.

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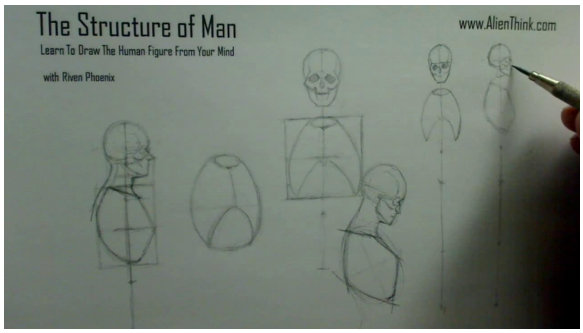
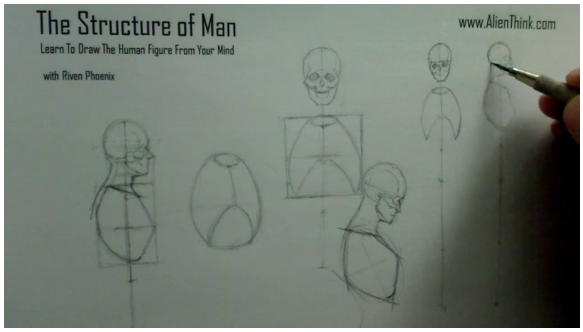
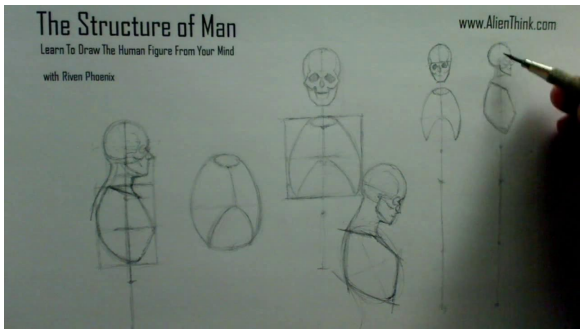
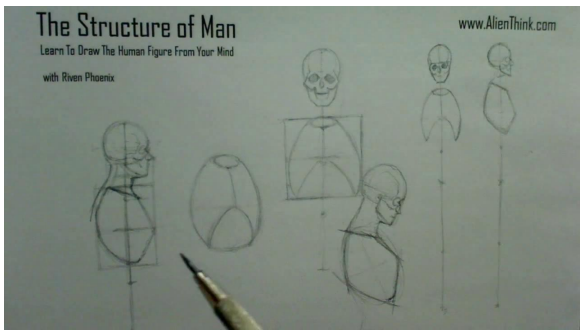
137		But make sure you finish all these drawings as I'm showing them to you, right, because you want your mind to get through this experience of drawing over and over and over.
138		The same concept, right, because we're repeating it so many times, that's why it's able to just understand these concepts much more rapidly.
139		So we know that this is going to be the toolkit from the side. So in the next lesson, what we're going to do is now look at trying to get the mind to understand in this in a three fourths view, right, begin to understand the forms of this.
140		So I'll see you in the next lesson.

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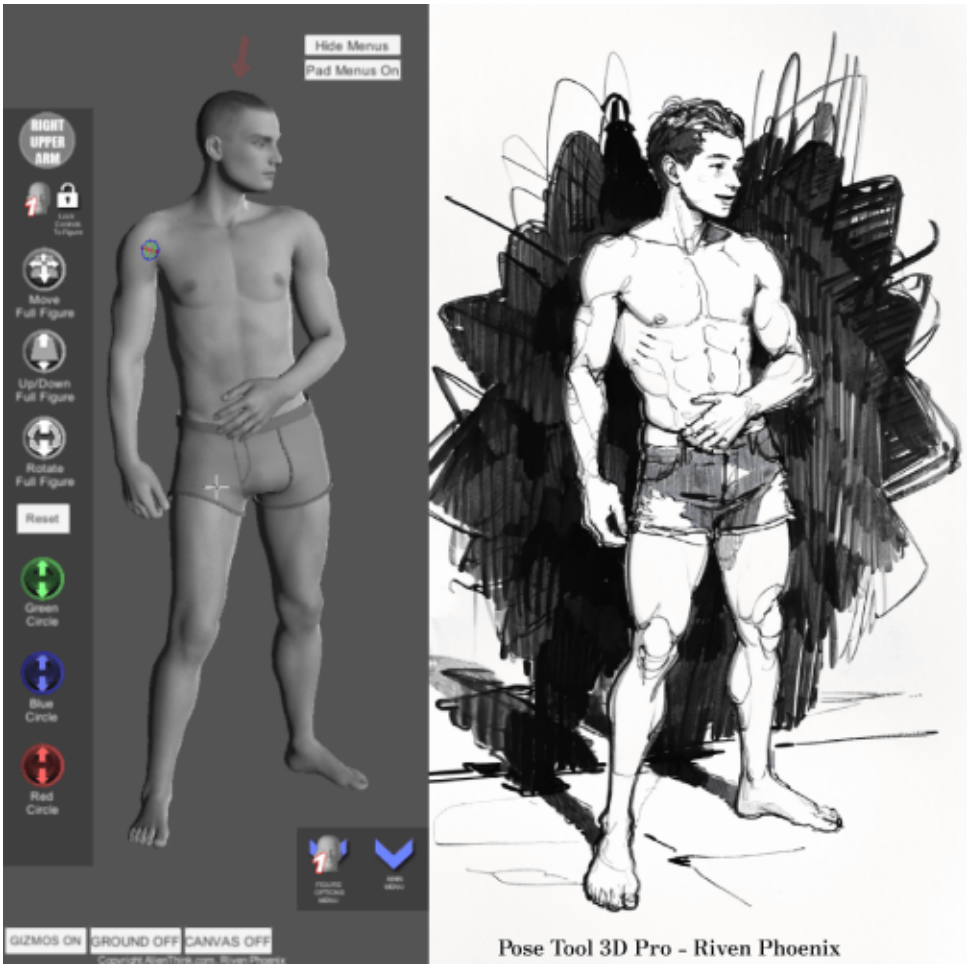

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